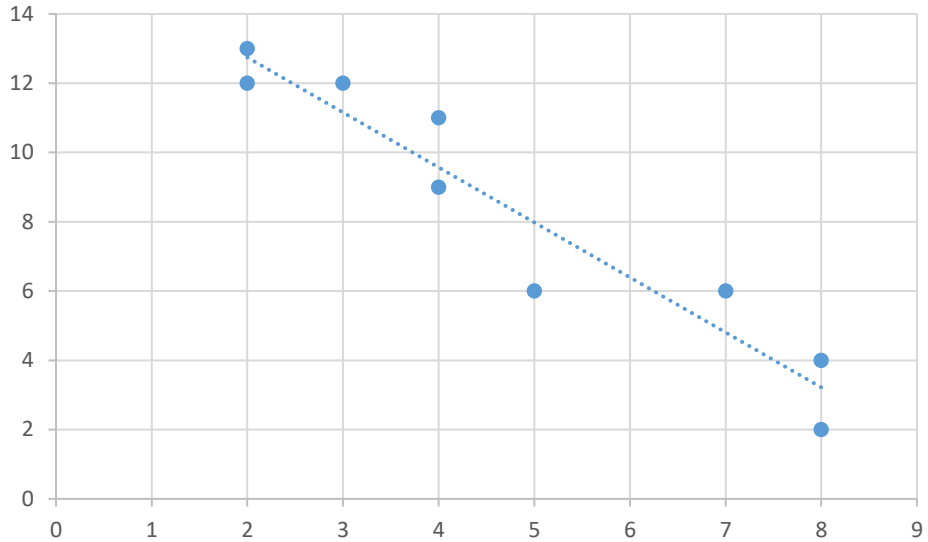
EM 9C Assessment Test

Test 1

Answers

1. (a) 65 (b) 3608 (c) 3.4
2. (a) Parallelogram (b) Square (c) Trapezium
3. 375 ml
4. (a) 3^5 (b) n^3 (c) 8^{10}
5. (a) $20a$ (b) $6x + 12$ (c) $15t - 3$
6. (a) $32°$ (b) $61°$
7. (a) $\frac{6}{35}$ (b) $\frac{5}{8}$
8. (a) $6(3m + 4n)$ (b) $t(9t + 7)$ (c) $n(4n - 1)$
9. (a) *(see graph below)* (b) As x increases y decreases. (c) 3<3.5



10. (a) 1.61 (b) 4.03
11. (a) 39 (b) 3.6
12. *Multiple answers*
13. $21.2\ m$
14. *Est.* (a) $\frac{8100-500}{10} = 760$ (b) $\frac{600}{5} = 120$ (c) $9 \times 1000 = 9000$
15. $13.7\ cm^2$
16. (a) $x = 4.4\ or\ \frac{22}{5}$ (b) $x = 1.6\ or\ \frac{8}{5}$
17. $650\ g$
18. $18.2\ cm$
19. $n = 4$
20. $7.9\ m^2$